

MIGHTY GREEN MINI VIBE OWNER'S MANUAL

Thank you for choosing the Mighty Green Mini Vibe!

Short description: This is a vibrato effect, intended for use between a low level instrument such as an electric guitar and an amplifier set for clean to moderate distortion, before and after distortion generating effects but always after compressors. It is an old style amp or organ vibrato producing some amplitude modulation, some frequency modulation and some phase modulation net effect being a familiar vibrato sound of the 50ths and 60ths.

It has two rotary controls for setting the effect: Velocity which sets the frequency or speed of internal oscillator, and Amplitude which sets the depth of the effect.

Setting suggestions:

1. For thickening tone, Velocity set at maximum, Amplitude barely opened so vibrato effect is noticeable. This makes for a fatter tone without sounding vibrato except on decay.
2. Swirling sound, Velocity set at minimum, Amplitude set slightly lower than noon. This makes for a classic vibe sound.
3. Set Velocity to the pace of the song or in an even multiple of pace, so that effect clings to rhythm. Set Amplitude at noon or slightly higher - advancing further on Amplitude adds amplitude modulation to the effect giving vib/trem response.

Notes: When powering up the MGMV wait about 60 seconds for oscillator to start.

You will see the LED start pulsating (if effect is on) when unit is ready.

MGMV has DC control on some pots so it is normal to hear scratchy sound when turning the knobs.

Colouration: Extensive care has been taken so that unit can be used both before and after distortion generation, but should always be placed after compression.

You will notice a slight mid cut as opposed to a slight mid hump as in most vibrator effects. This is so, so that the sensitive treble shall be as little as possible affected. Colouration will therefore as little as possible affect distorted tone. You can overdrive the MGMV, but best sound is generally produced if boosters and other heavy output devices are placed after MGMV.

Input performance: The unit has high input impedance presenting only a light load to the pickups. Effect is achieved with amplifiers of some voltage gain (which is brought back to 0dB or unity gain before entering output). Unit can take a medium humbucker without distorting, but not much higher than that. Restrict input with a compressor if very clean sounds are desired.

Output performance: The output is designed to work into medium impedance such as that of a guitar amplifier and most effect boxes and tape echoes.

Power requirements: The unit is designed to work from a 6F22 9V battery contained in the box (you gain access by removing the four bottom screws)

MGMV contains a trimmer for setting effect level versus bypass.

This is factory set to about unity gain, but can be set for a slight boost if needed.

This is a trimmer and is not meant for continuous adjustment but is a "set and forget".

CAUTION! Never operate the unit with its bottom removed or damage will most likely occur.

Unit can also be powered via 2,1 DC eliminator jack, where minus is center.

Supply voltage range is 7,5V to 18V.

About the 5 year limited warranty: Should you for any reason want to claim this then pack the unit well and enclose a description of the fault and a copy of the original receipt, an address were you want it to be sent. Any tampering with the circuit or obvious signs of misuse will void the warranty. Send to manufacturer address (see below).

The unit will be repaired or replaced as appropriate at prepaid shipping cost.

Any polite questions will be answered promptly if you send a letter including a stamped, self-addressed envelope, to the manufacturer.

The fastest way to get a reply is always to contact the distributor

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BJF Electronics
SWEDEN

MIGHTY GREEN MINI VIBE ELECTRICAL SPECIFICATION

Z in at 1kHz	app. 350K
Pout 1kHz in 220k	app. 40uW RMS
Max load	app. 100K
Max output	0,8V peak
Max current consumption	6mA at 10V
Upper freq.-3dB	app. 7KHz
Max gain at 1KHz	app. 0dB
Max input signal	0,8V peak
Supply Voltage range	7V5-18V

External power is provided for via 2,1mm DC-eliminator jack, where centre is minus.

Use a well regulated battery eliminator. Unit automatically switches to battery power should DC-cord come loose from jack.

Do not exceed supply voltage range - internal fusing will begin at approximately +24V

Unit is protected against wrong polarity - it will not take harm, but however only work from correct polarity. Input jack switches power on and off (battery or DC-eliminator).

Output may be short circuited indefinitely. Input is protected against excessive voltage up to 10V

The manufacturer claims that the above mentioned product fulfils the requirements as set by

EN 55 013, EN 55 020, EN 60 555-2 and EN 60 555-3.